

Fig. 1

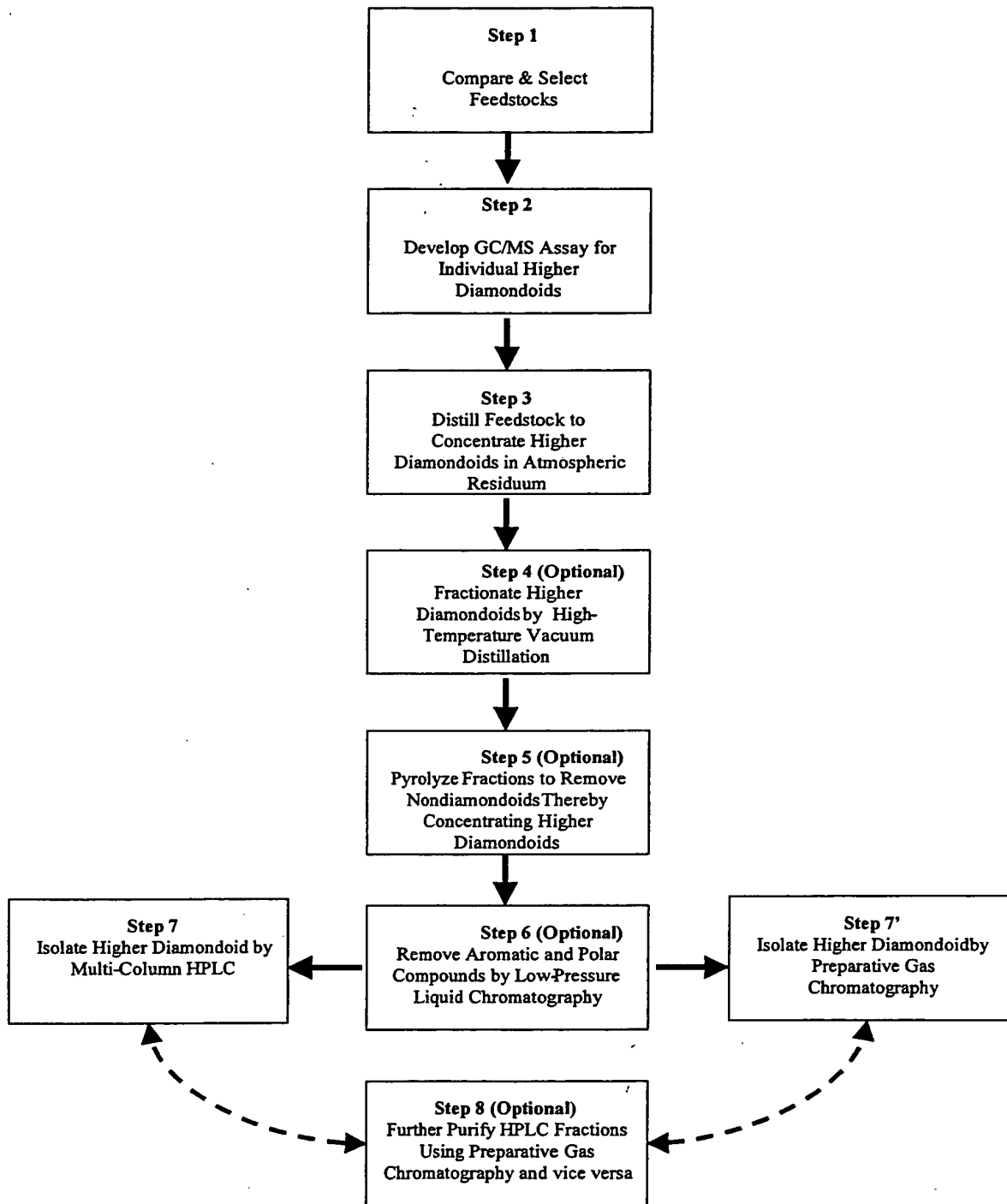


Fig. 2

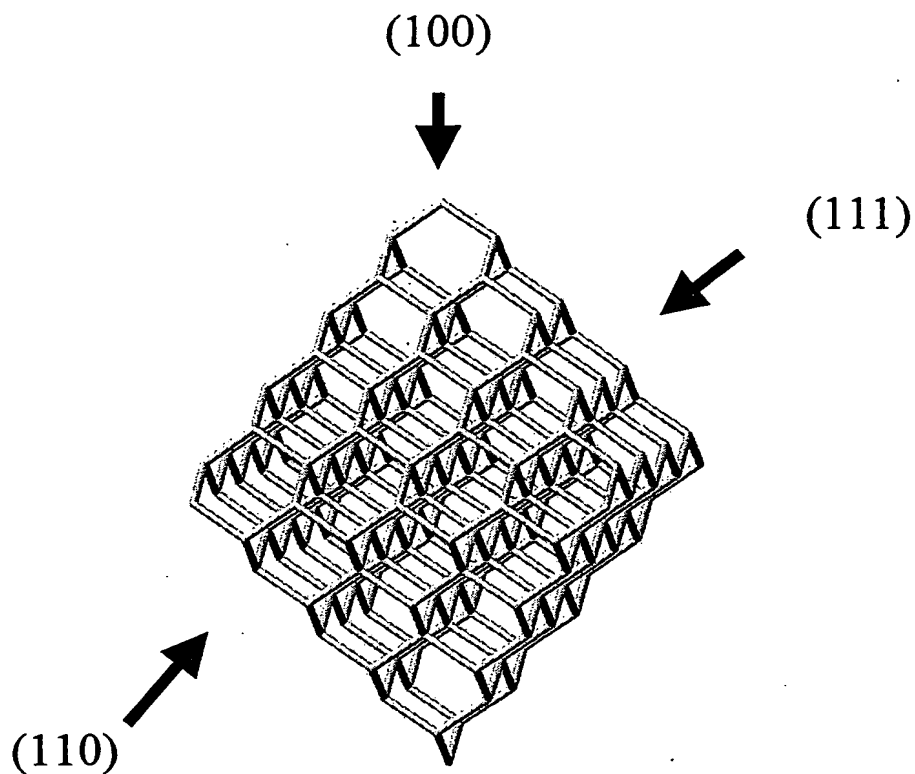


FIG. 3A

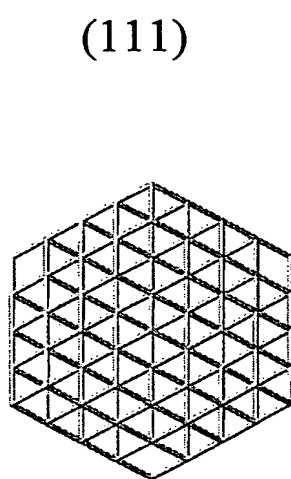


FIG. 3B

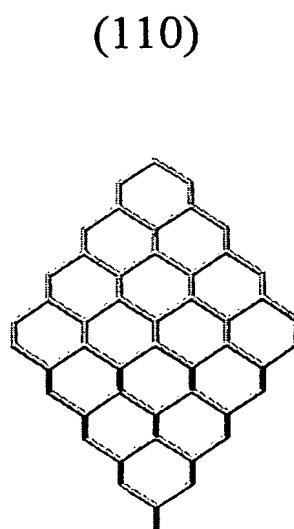


FIG. 3C

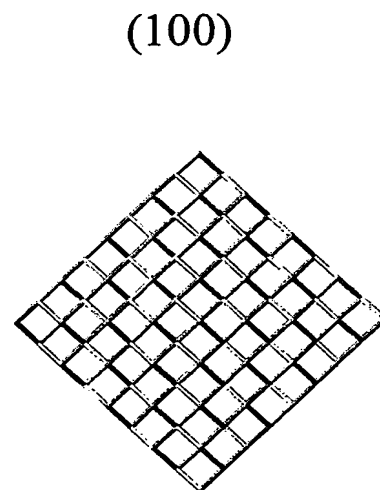


FIG. 3D

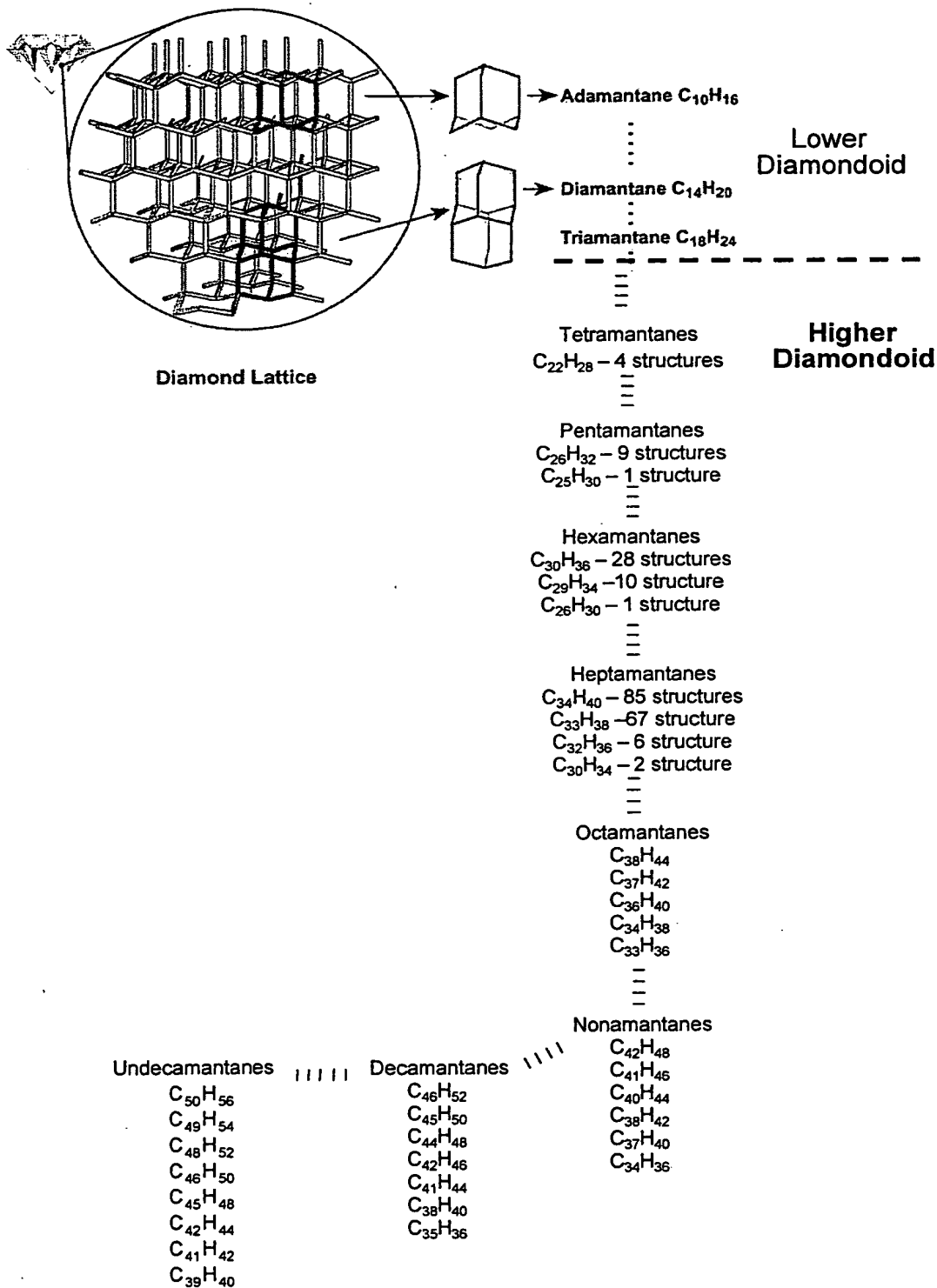


FIG. 4

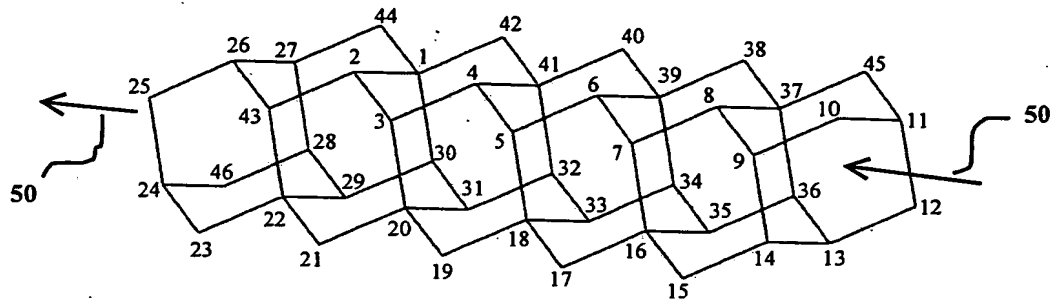


Fig. 5A

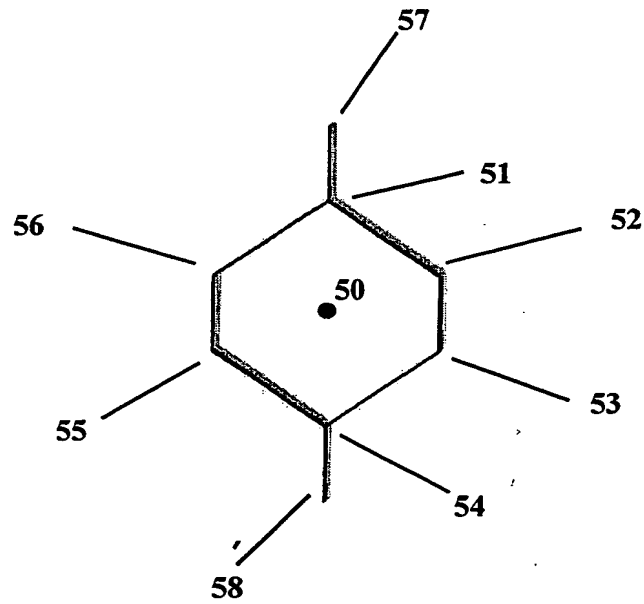


Fig. 5B

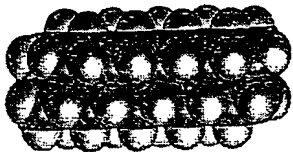


Fig. 5G

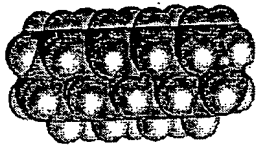


Fig. 5F

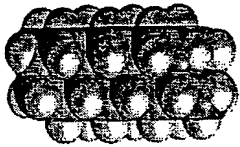


Fig. 5E

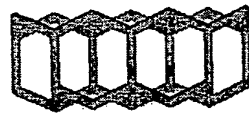
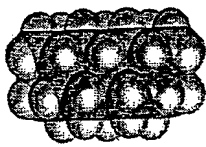


Fig. 5D

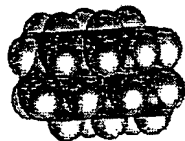


Fig 5C

**FIG. 5H**

Position	Number of adamantane subunits	Tetramantane  n=4	Pentamantane  m=5	Hexamantane  n=6	Heptamantane  m=7
57	Number Type	n-2 = 2 all secondary	m-2 = 3 all secondary	n-3 = 3 all secondary	m-3 = 4 all secondary
58	Number Type	n-2 = 2 all secondary	m-3 = 2 all secondary	n-3 = 3 all secondary	m-4 = 3 all secondary
51	Number Type	n-1 = 3 2 tertiary carbons at the ends  1 quaternary carbon in the middle	m-1 = 4 2 tertiary carbons at the ends  2 quaternary carbons in the middle	n-2 = 4 2 tertiary carbons at the ends  2 quaternary carbons in the middle	m-2 = 5 2 tertiary carbons at the ends  3 quaternary carbons in the middle
54	Number Type	n-1 = 3 2 tertiary carbons at the ends  1 quaternary carbon in the middle	m-2 = 3 2 tertiary carbons at the ends  1 quaternary carbon in the middle	n-2 = 4 2 tertiary carbons at the ends  2 quaternary carbons in the middle	m-2 = 5 2 tertiary carbons at the ends  2 quaternary carbons in the middle
52, 56	Number Type	n-1 = 3 1 secondary, 1 tertiary carbon at the ends  1 tertiary carbon in the middle	m-1 = 4 2 secondary carbons at the ends  2 tertiary carbons in the middle	n-2 = 4 1 secondary, 1 tertiary carbon at the ends  2 tertiary carbons in the middle	m-2 = 5 2 secondary carbons at the ends  3 tertiary carbons in the middle
53, 55	Number Type	n-1 = 3 1 secondary, 1 tertiary carbon at the ends  1 tertiary carbon in the middle	m-2 = 3 2 tertiary carbons at the ends  1 tertiary carbon in the middle	n-2 = 4 1 secondary, 1 tertiary carbon at the ends  2 tertiary carbons in the middle	m-3 = 4 2 tertiary carbons at the ends  2 tertiary carbons in the middle

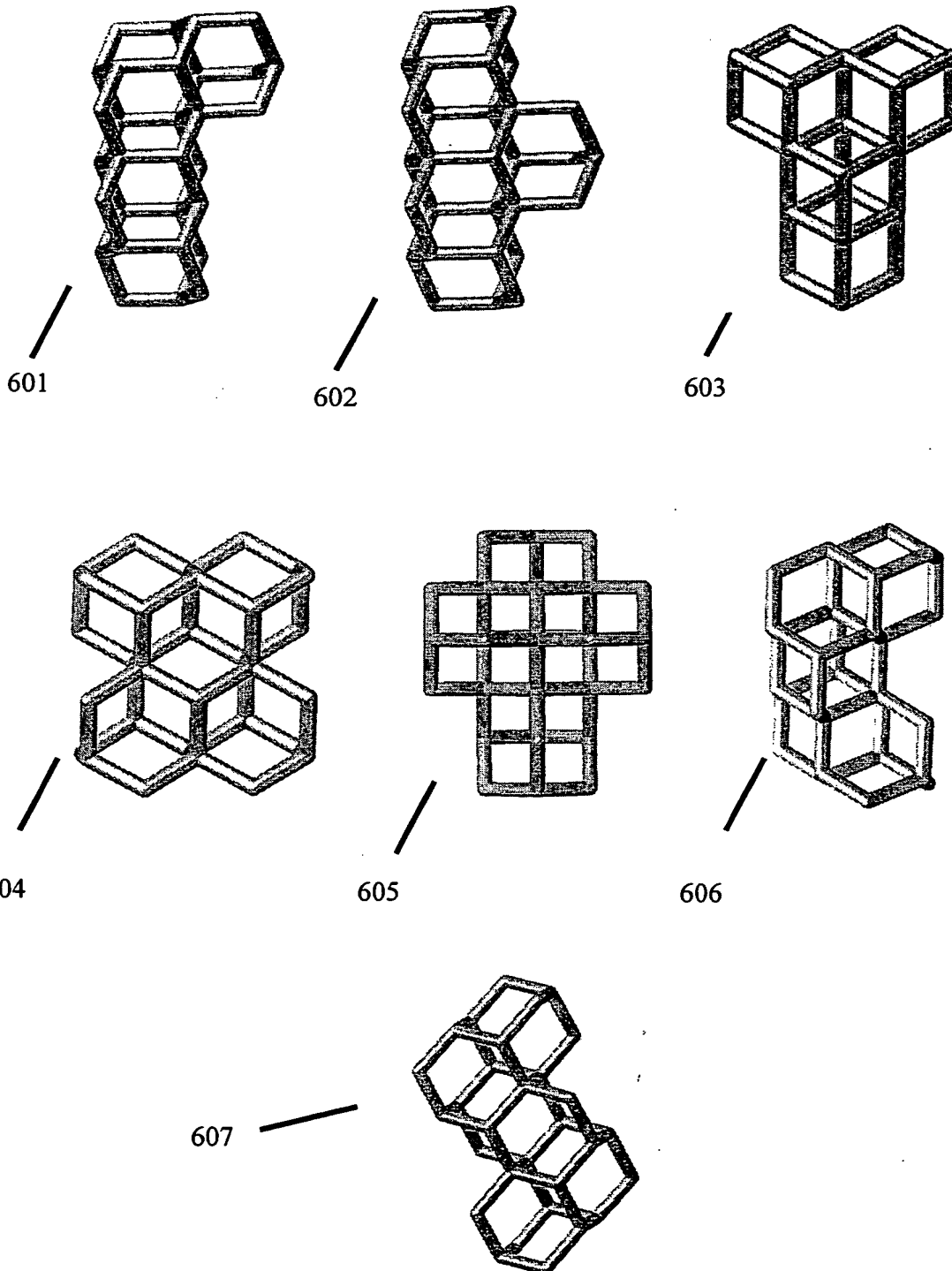


Fig. 6A



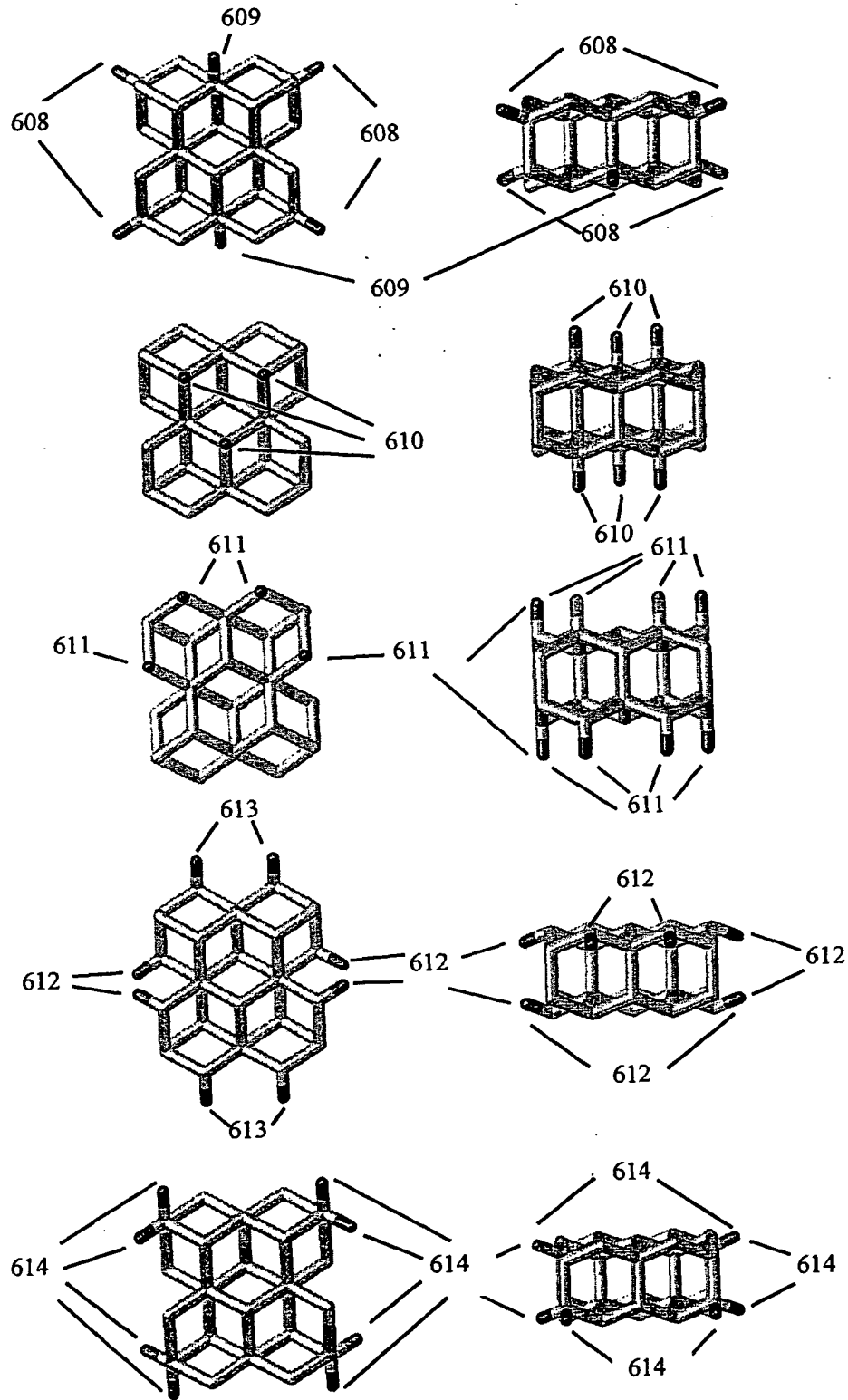


Fig. 6B

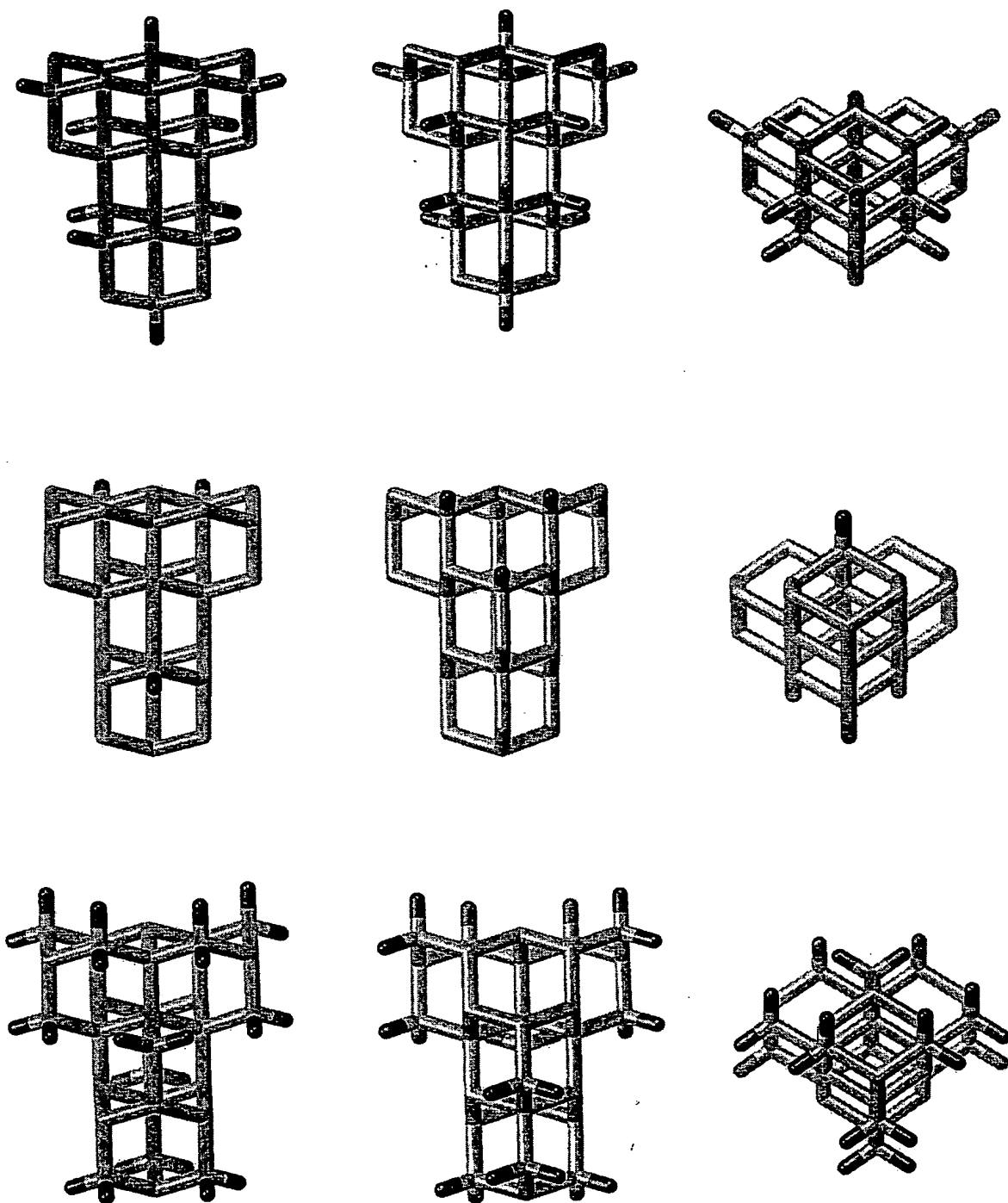


Fig. 6C

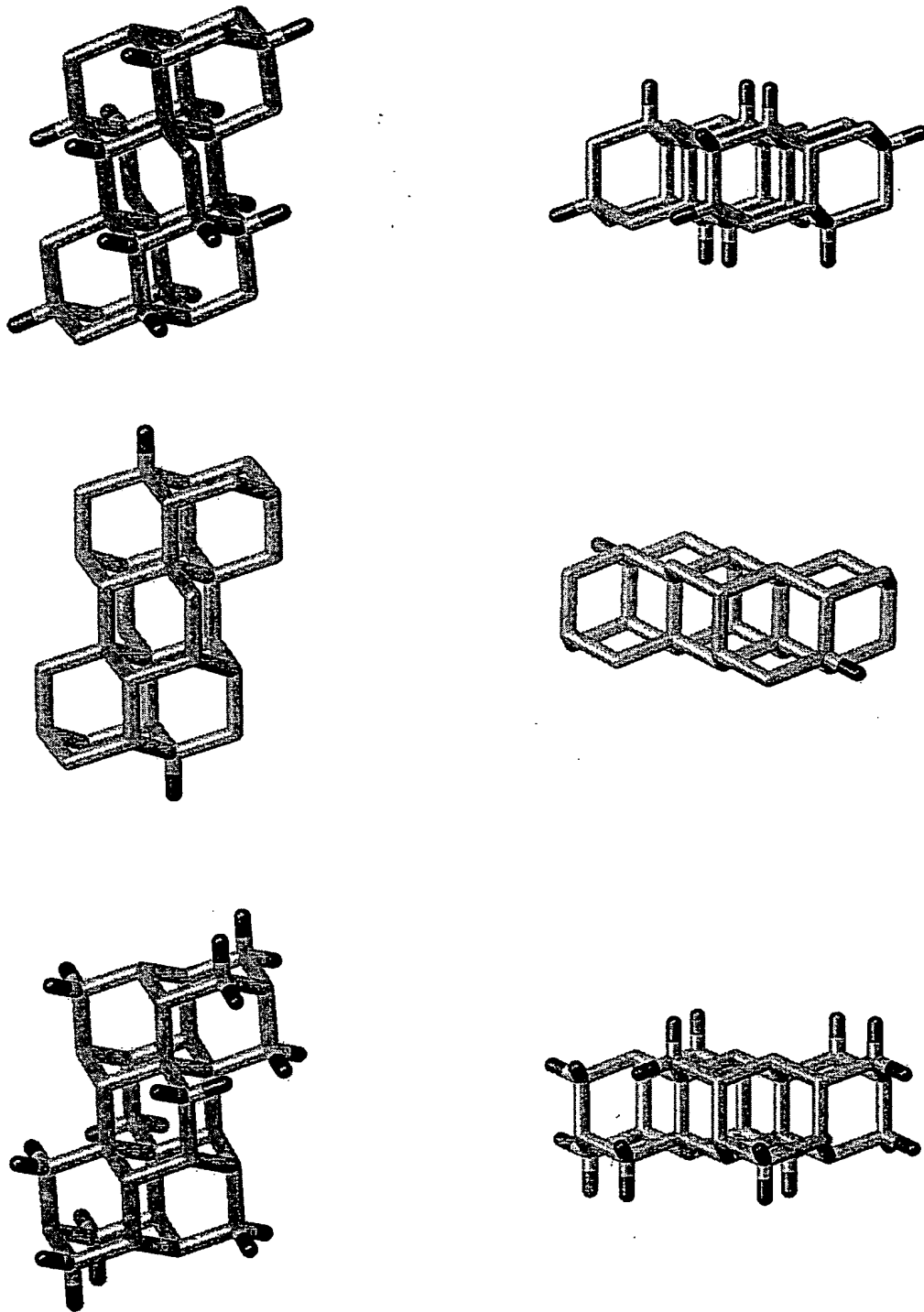


Fig. 6D

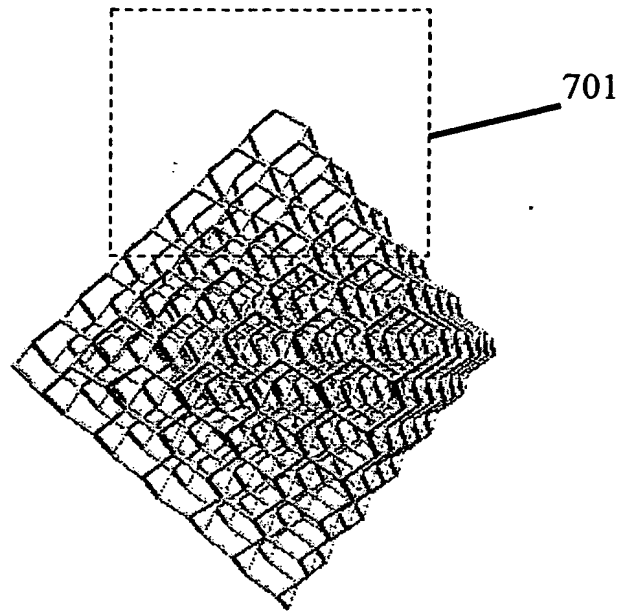


Fig. 7A

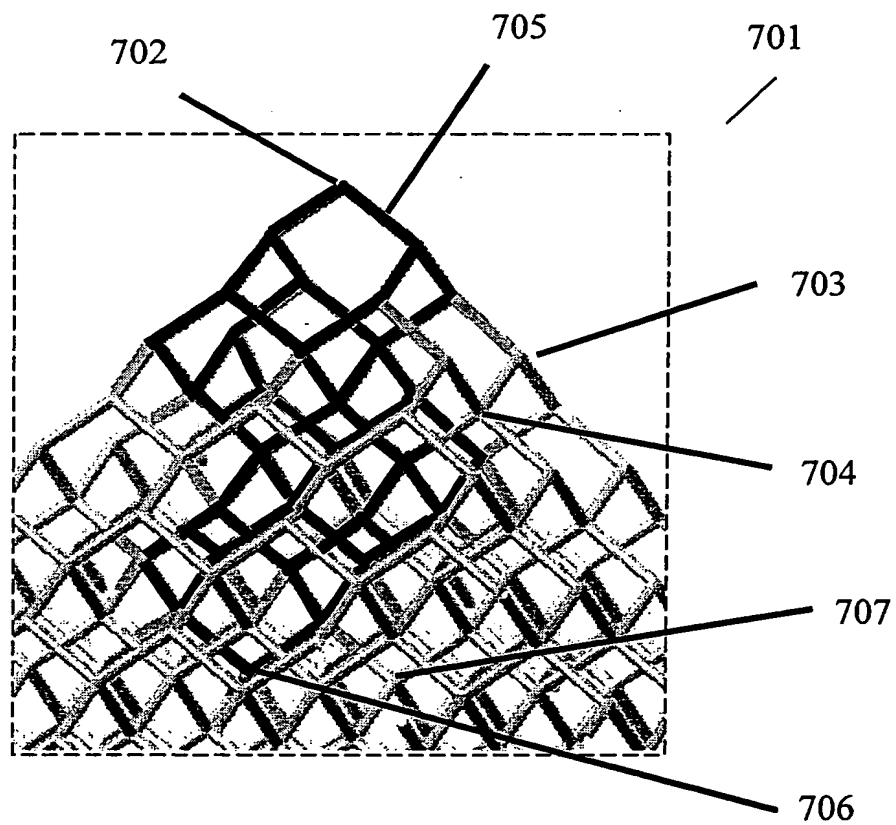
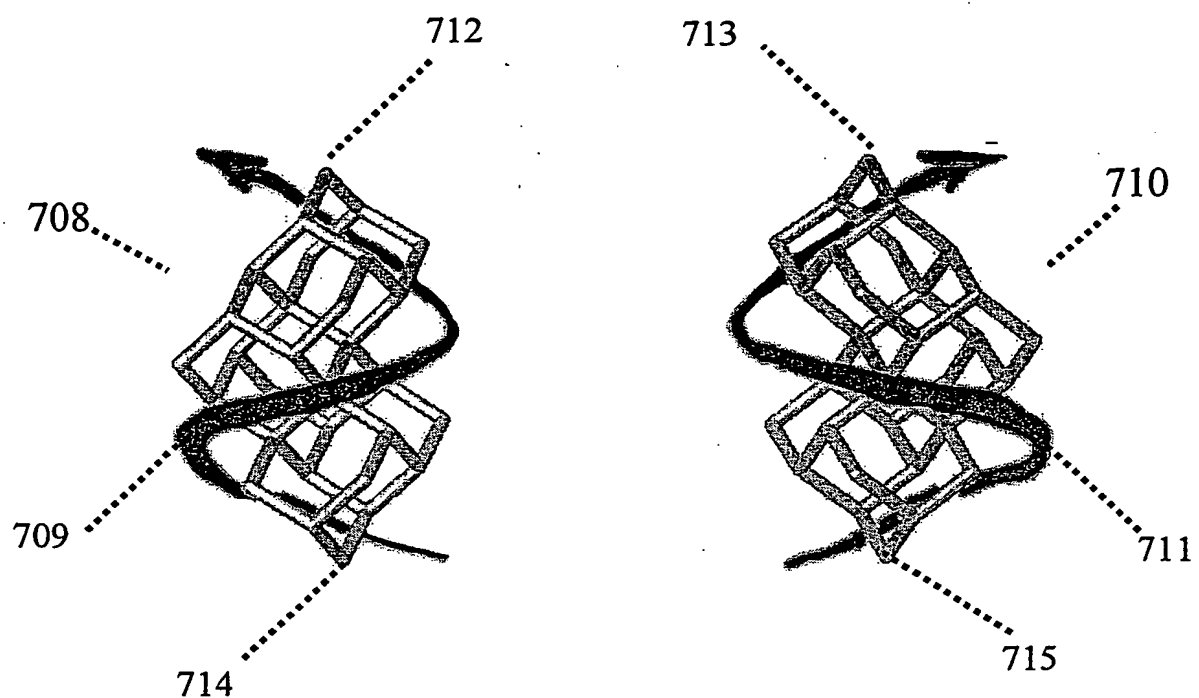


Fig. 7B



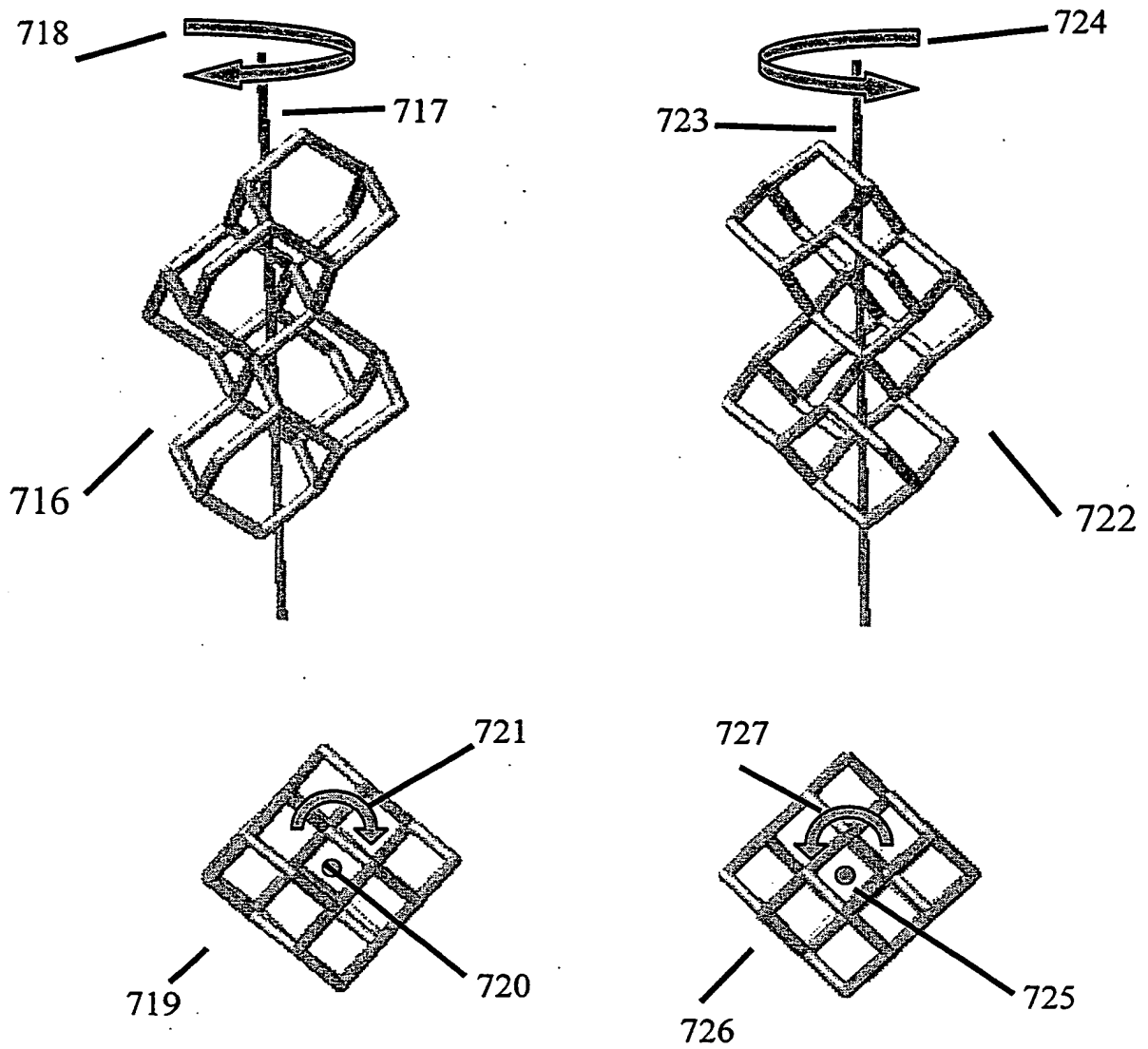


Fig. 7D

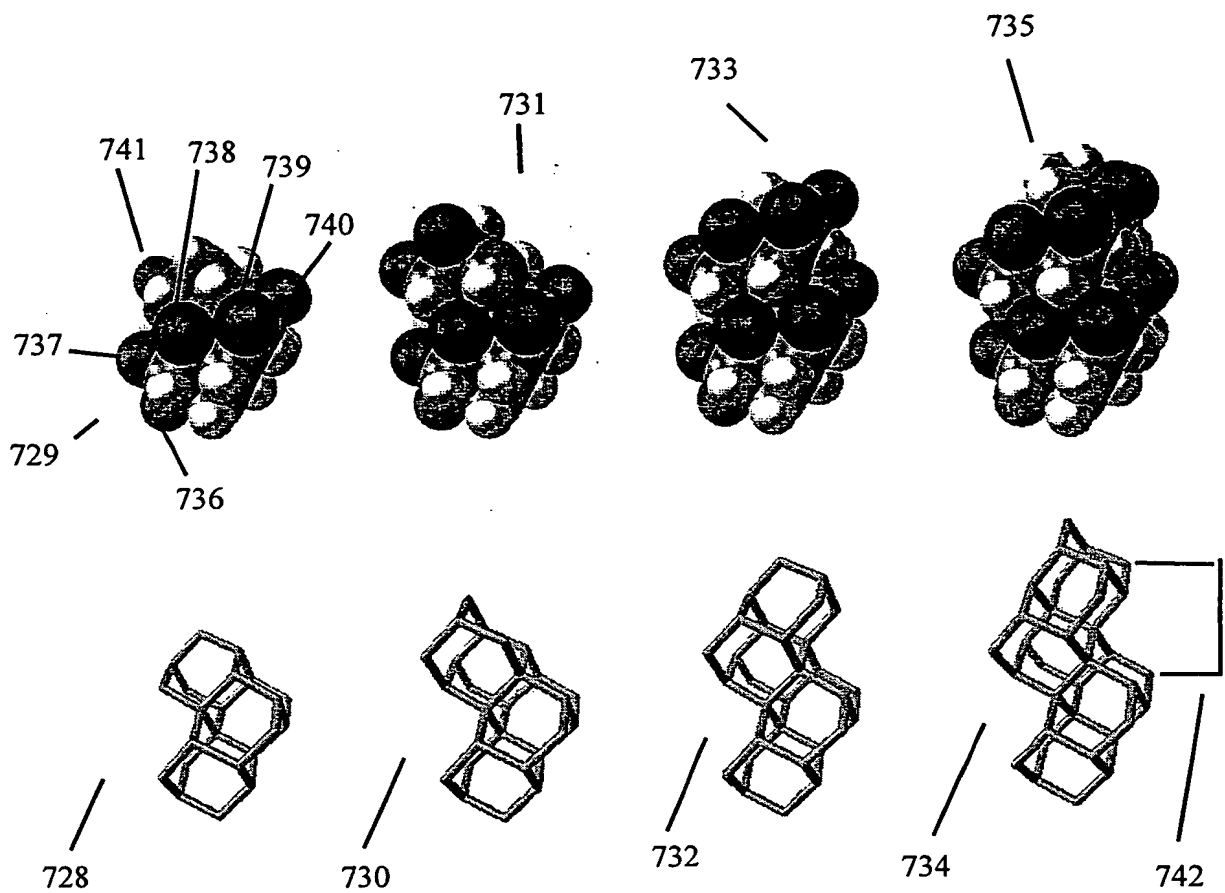


Fig. 7E

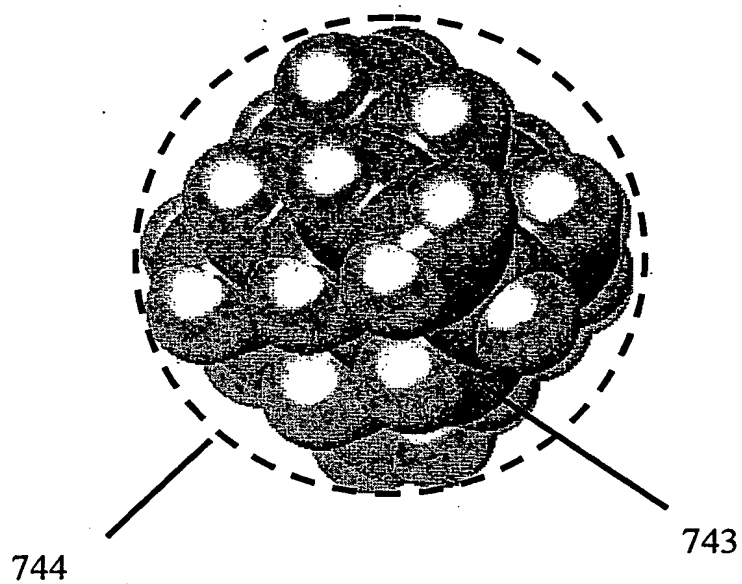


Fig. 7F



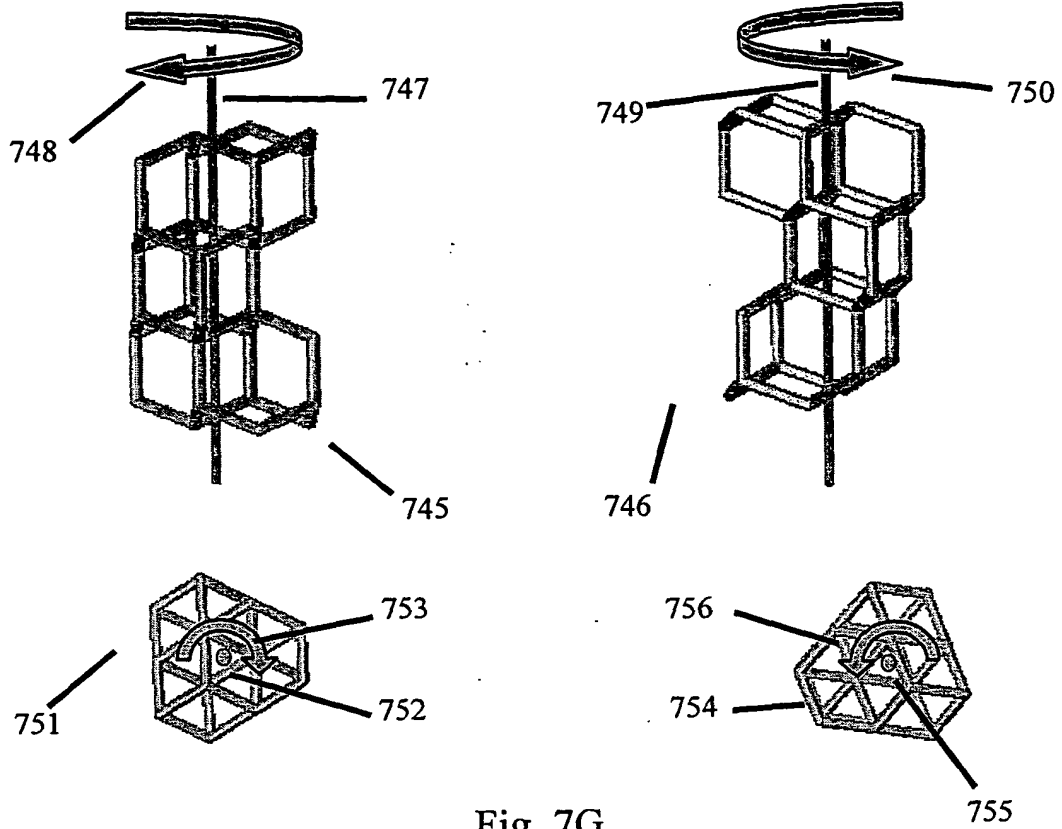


Fig. 7G

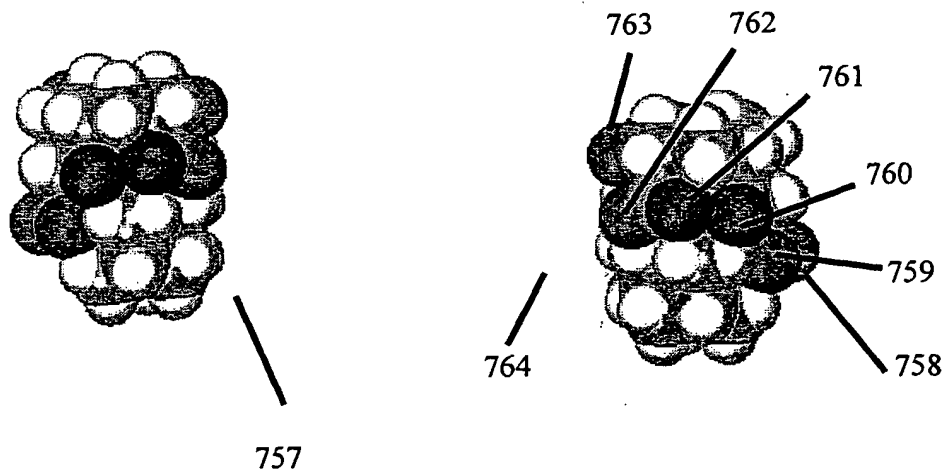


Fig. 7H

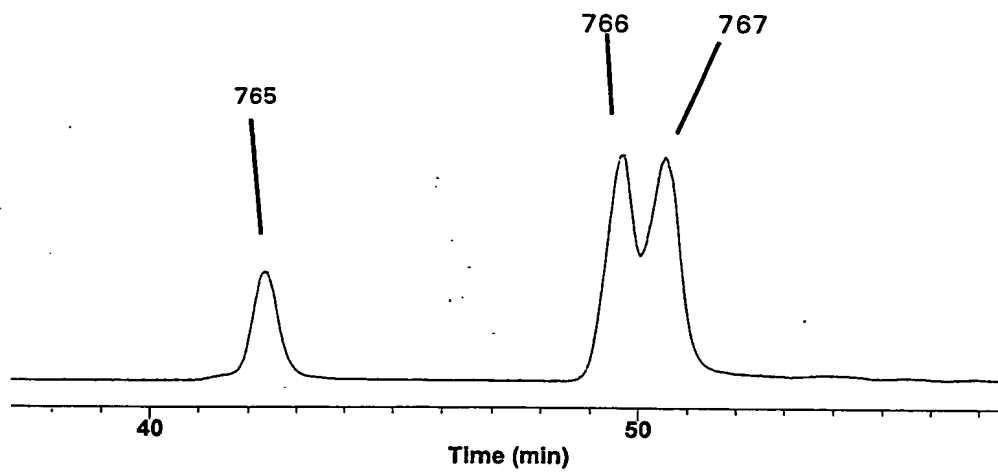


Fig. 71

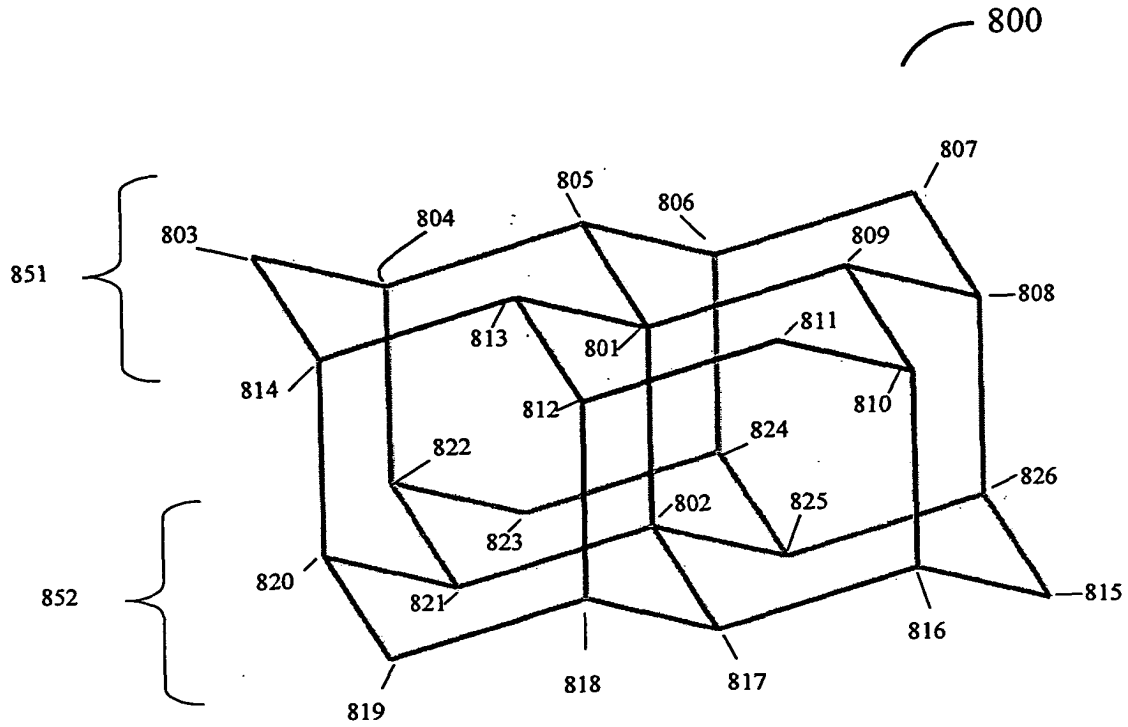


Fig. 8A

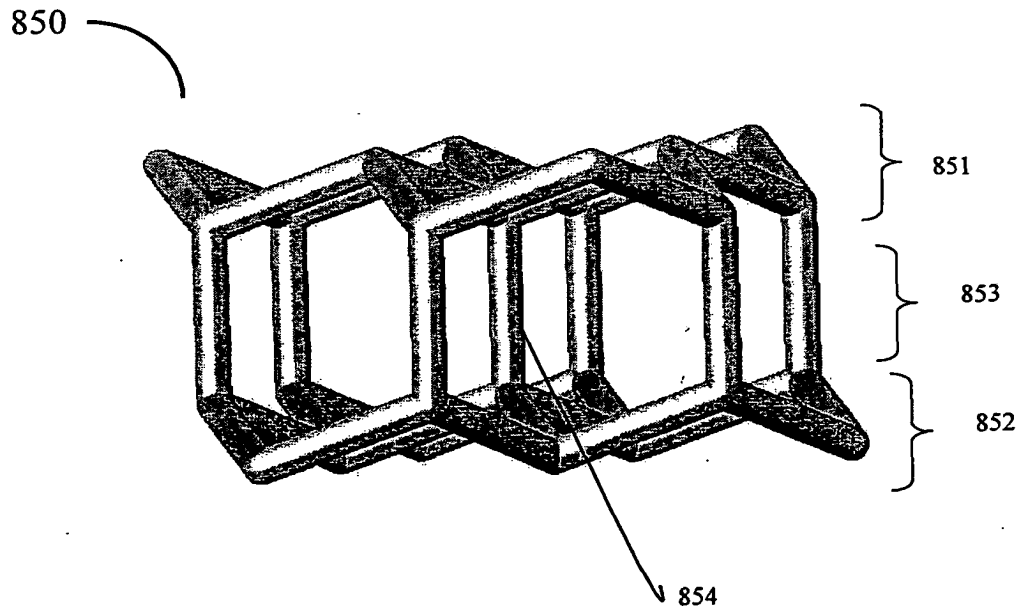


Fig. 8B

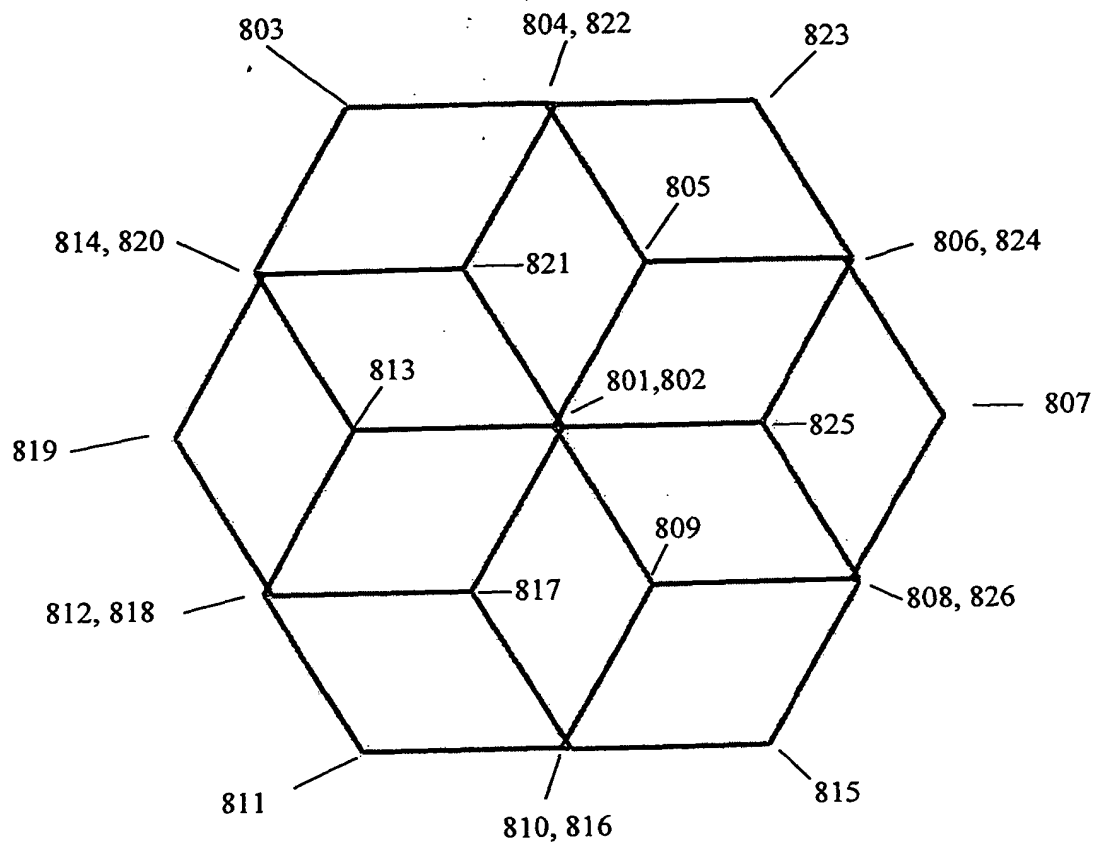
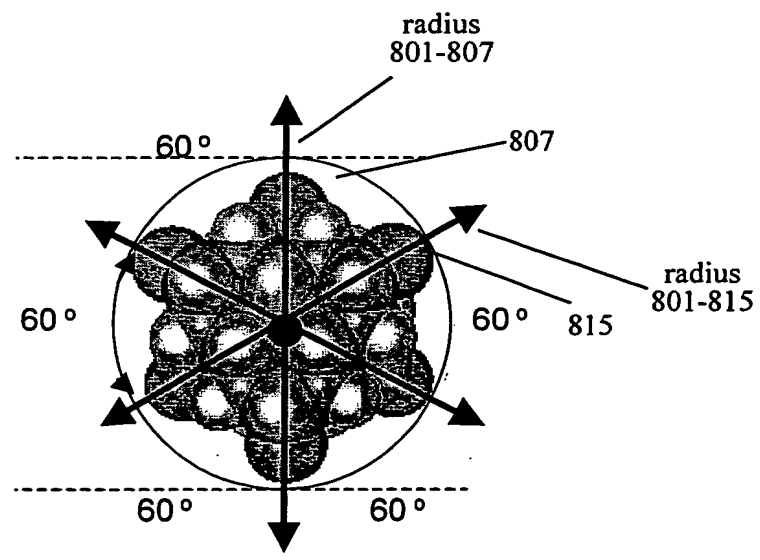
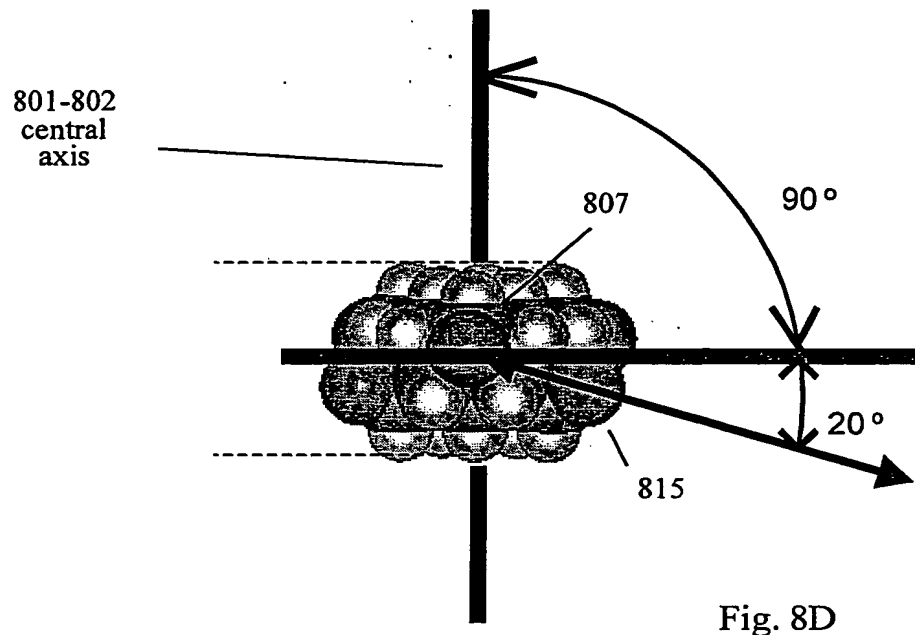


Fig. 8C



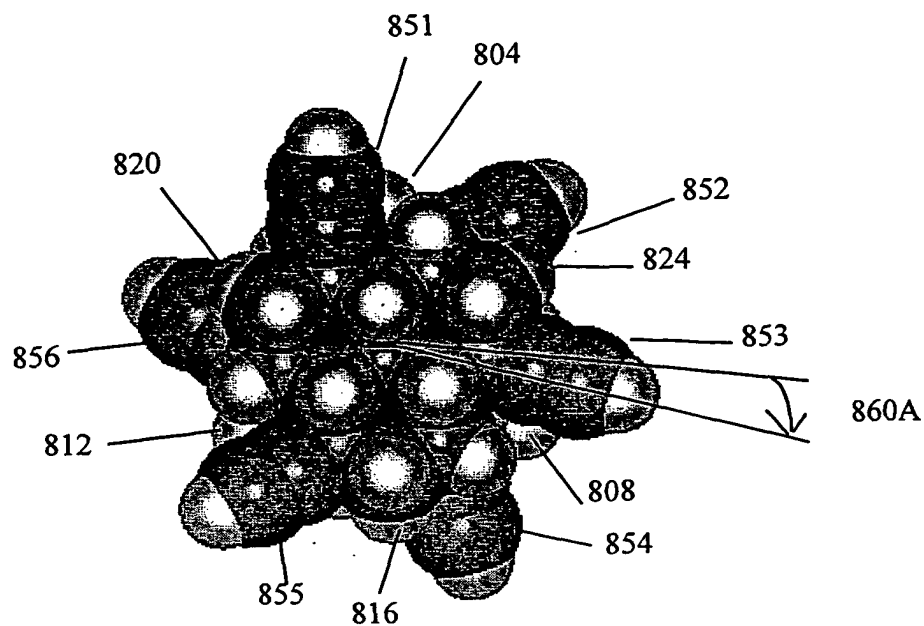


Fig. 8F

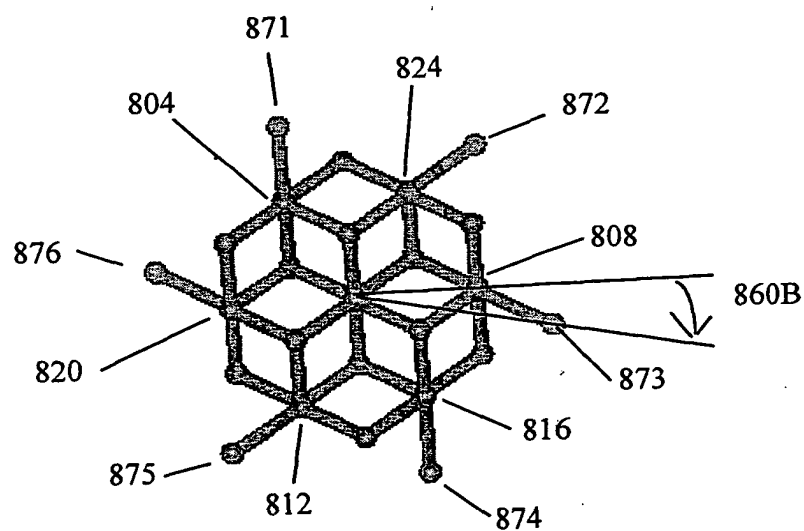


Fig. 8G

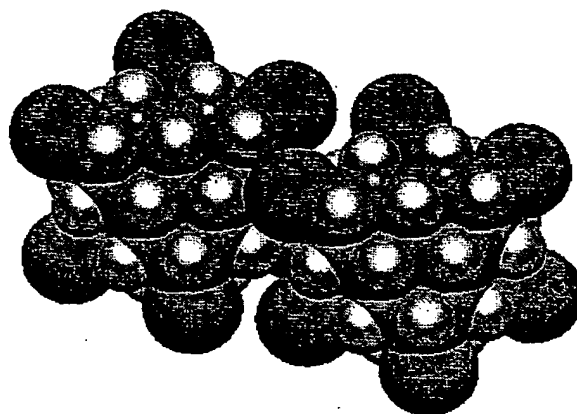


Fig. 8H

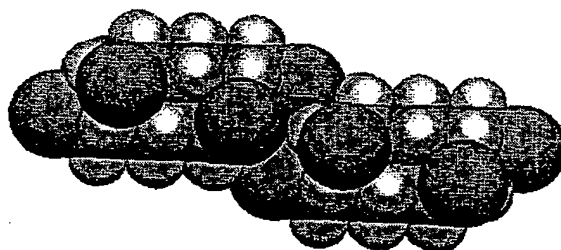


Fig. 8I

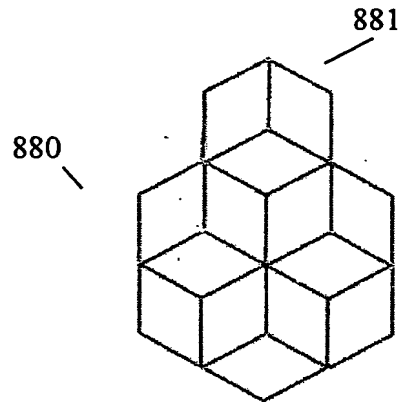


Fig. 8J

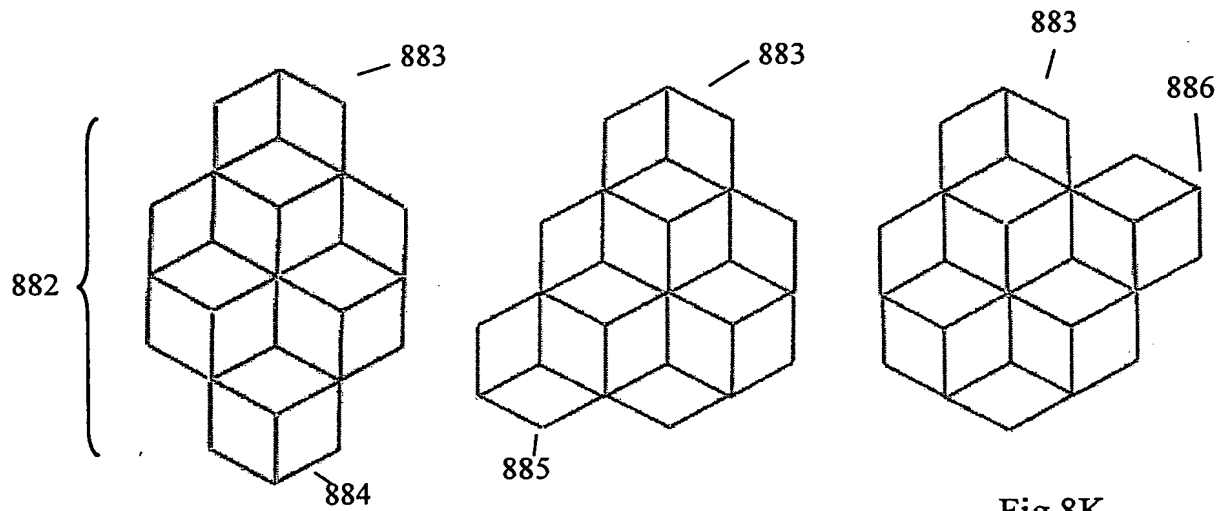


Fig. 8K

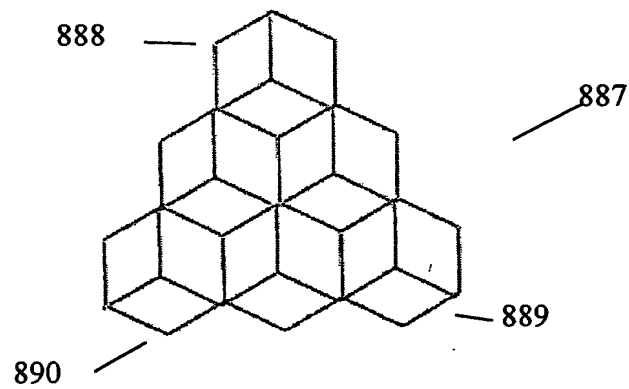


Fig. 8L



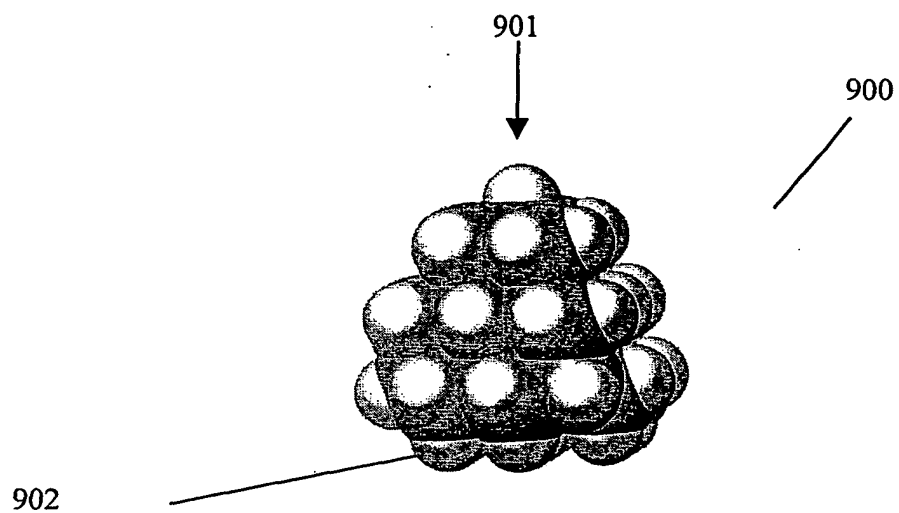


Fig. 9A

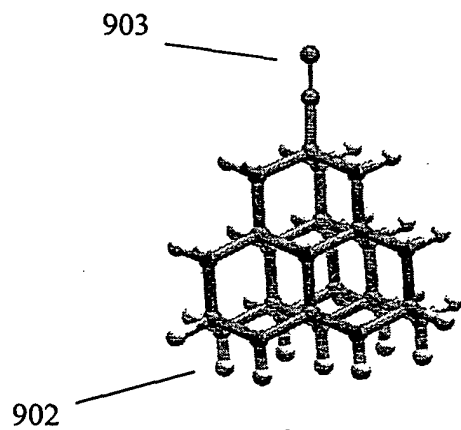


Fig. 9B

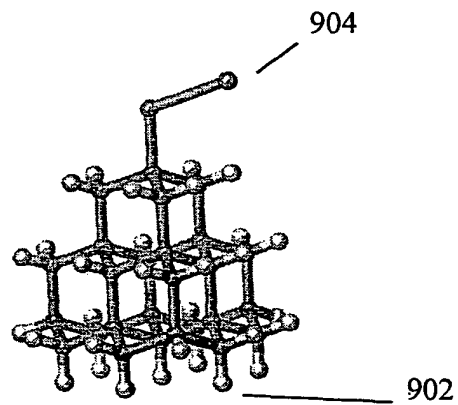


Fig. 9C

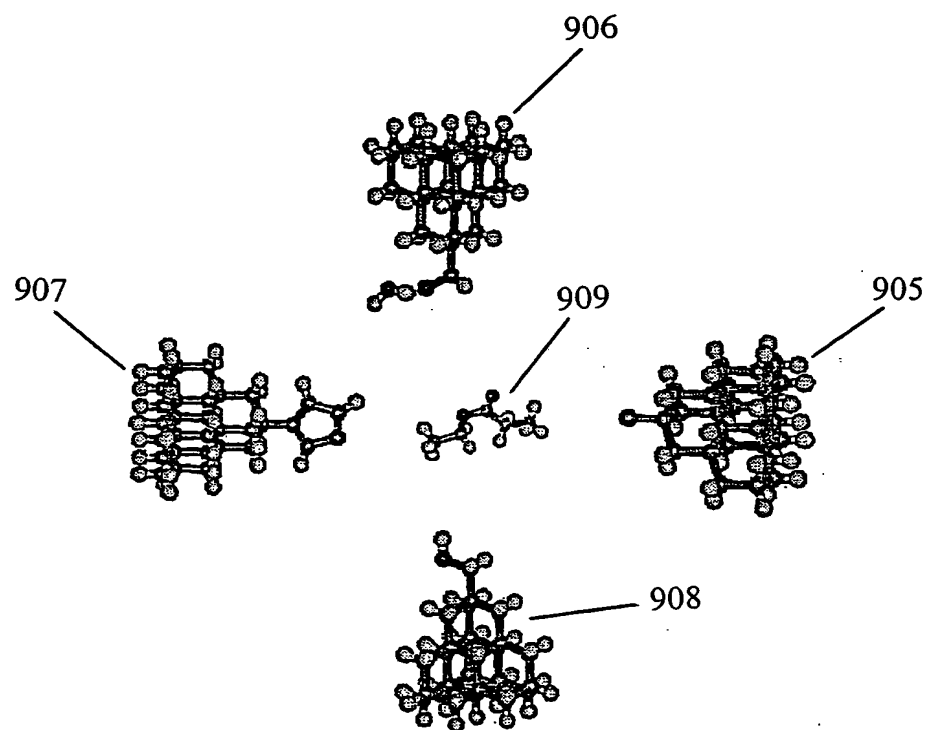


Fig. 9D

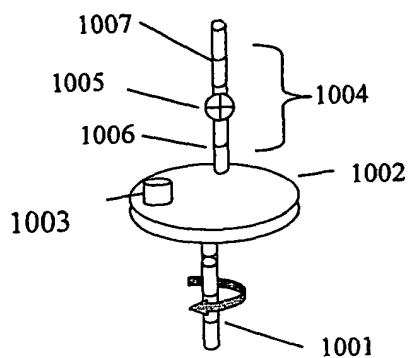


Fig. 10A

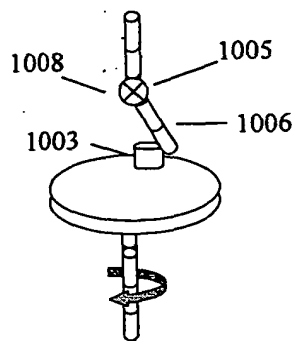


Fig. 10B

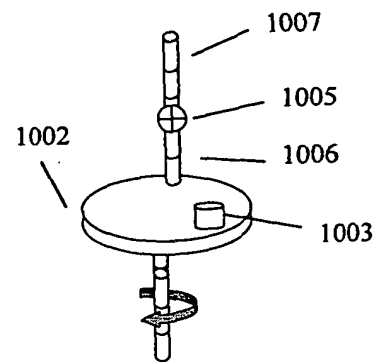


Fig. 10C

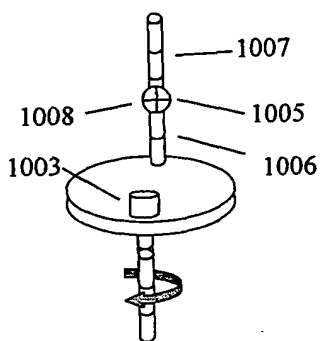


Fig. 10D

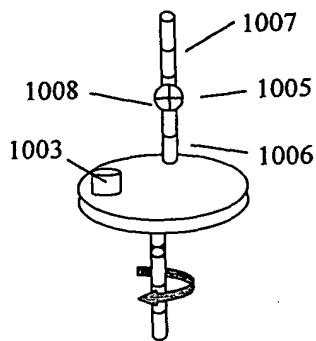


Fig. 10E

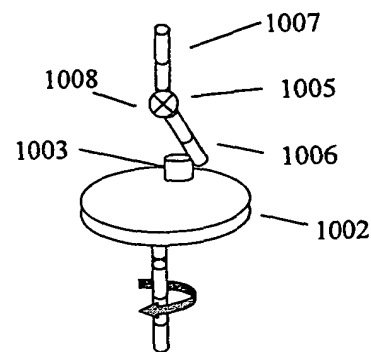


Fig. 10F

Fig. 10G

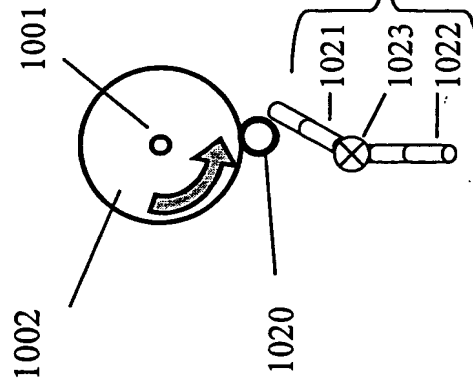


Fig. 10H

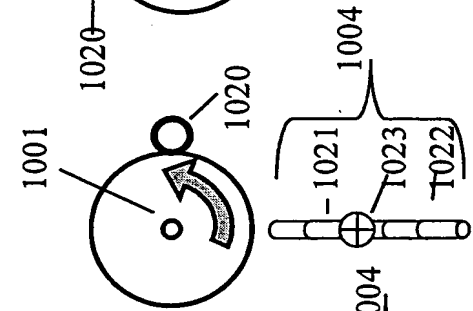


Fig. 10I

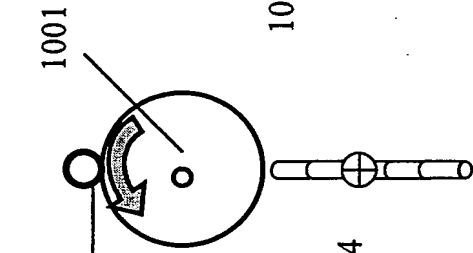


Fig. 10J

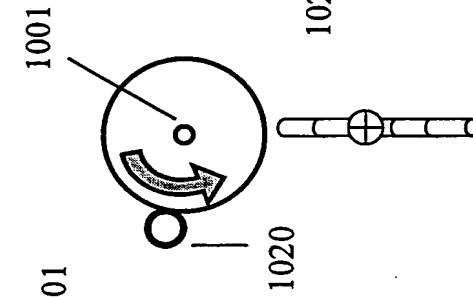
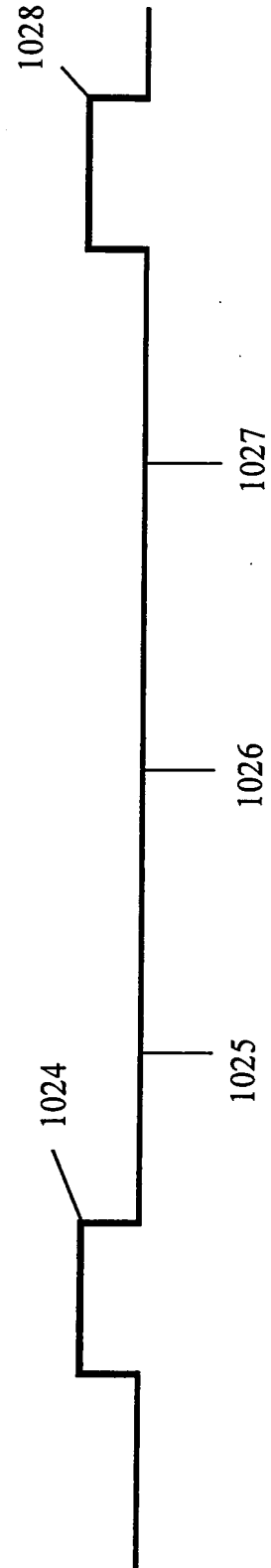
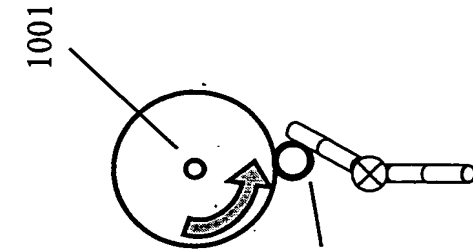
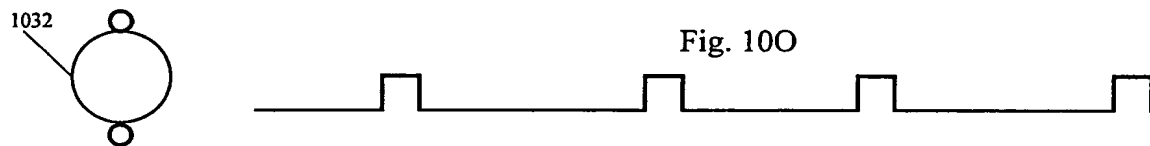
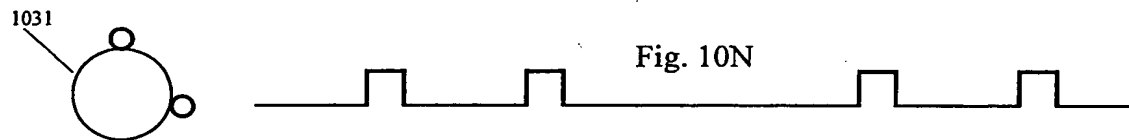
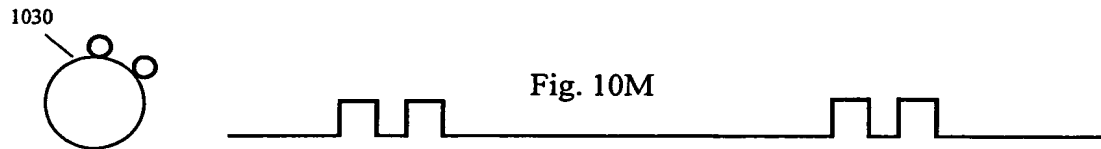
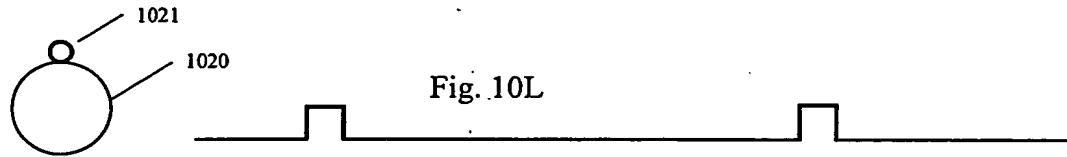


Fig. 10K





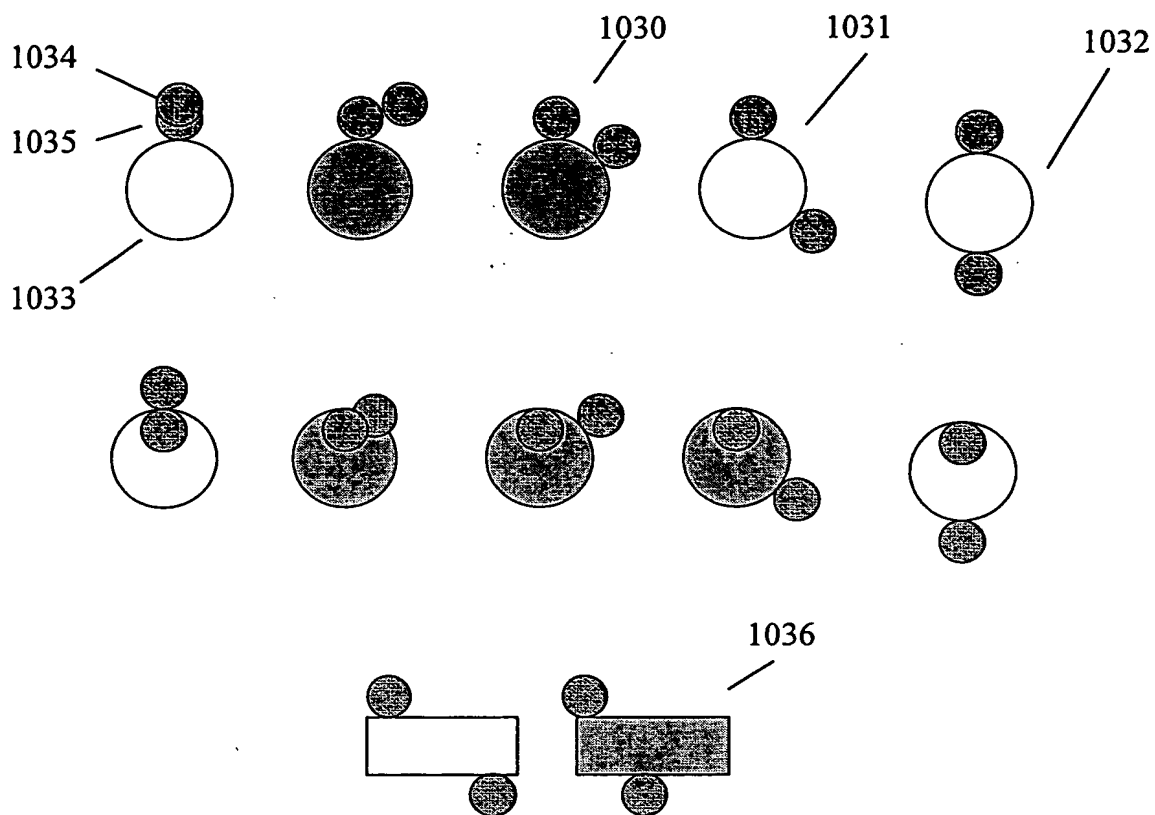
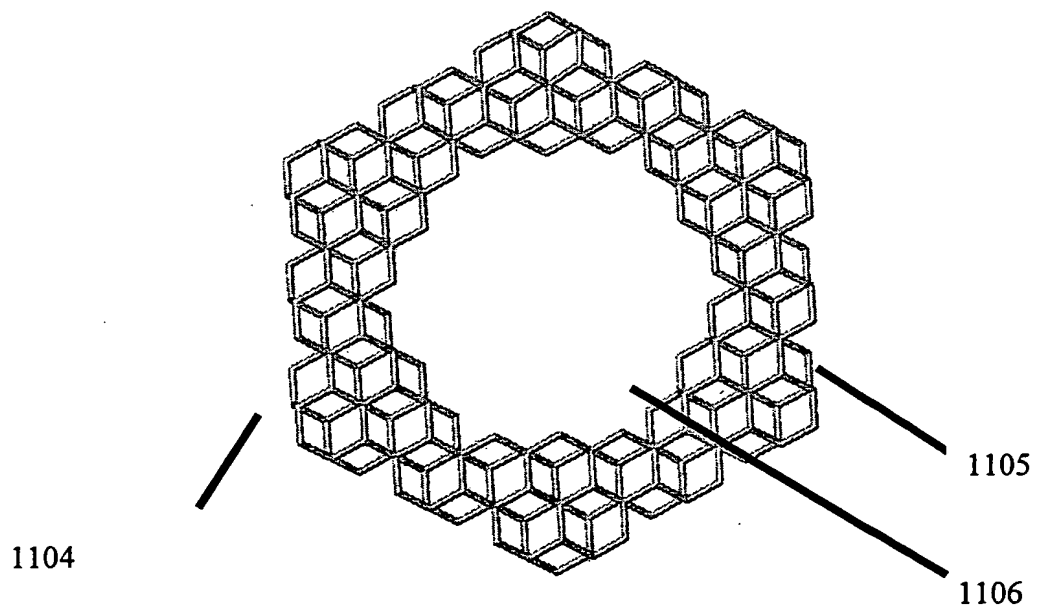
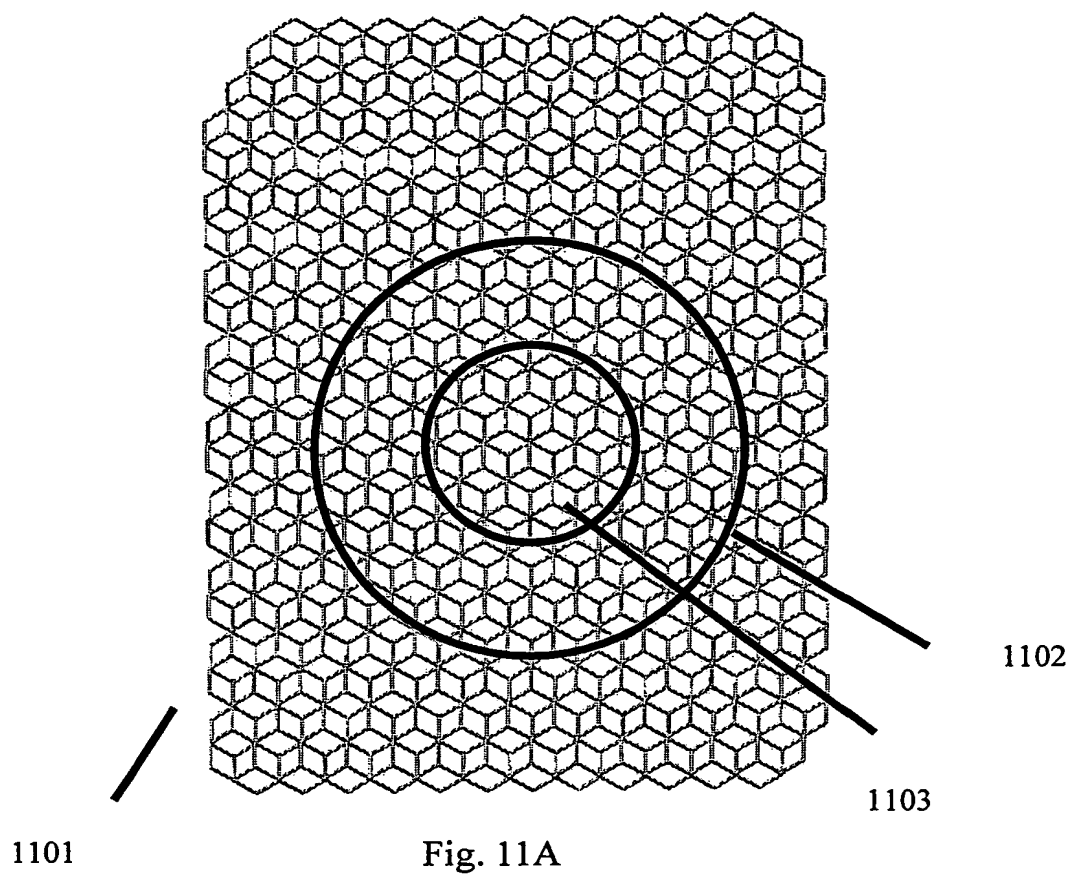


Fig. 10P



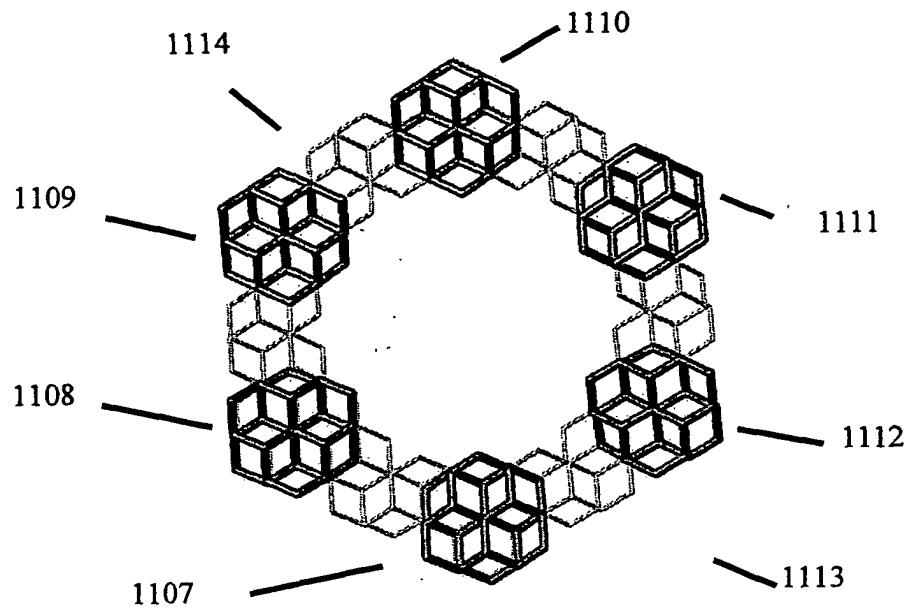


Fig. 11C

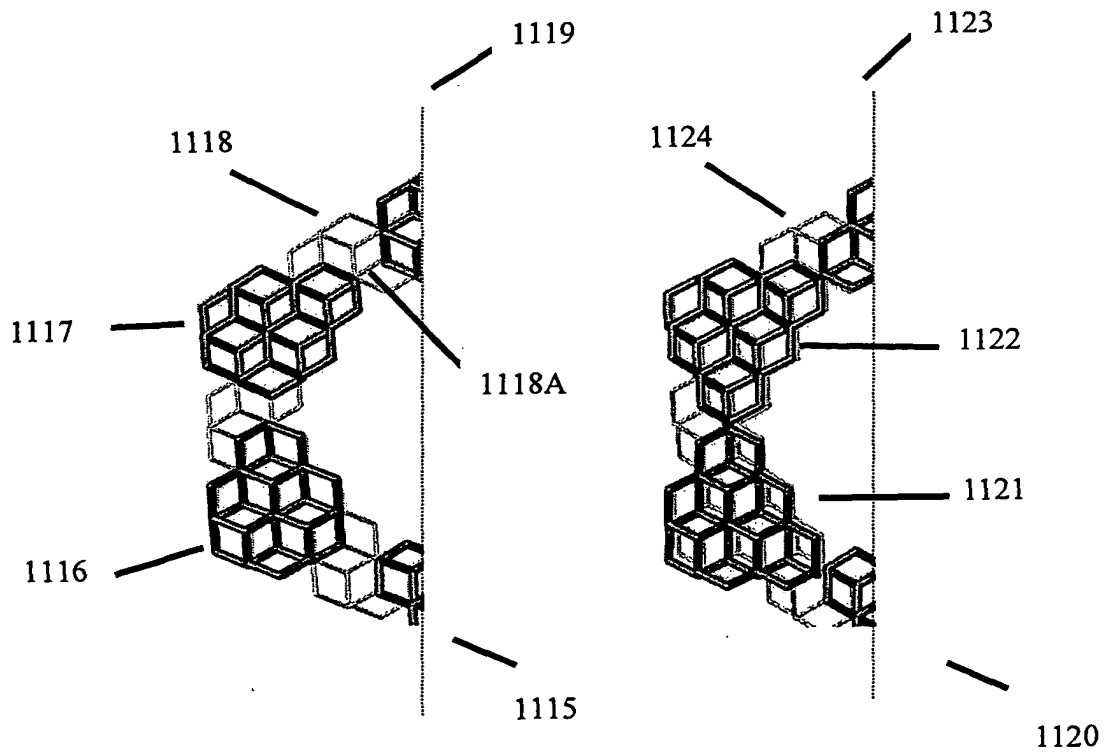


Fig. 11D

Fig. 11E



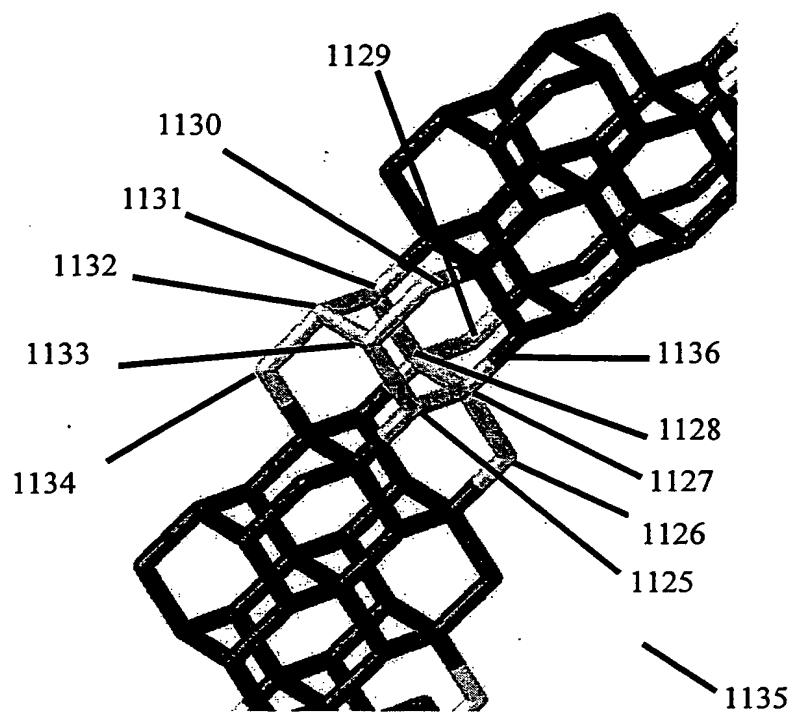


Fig. 11F

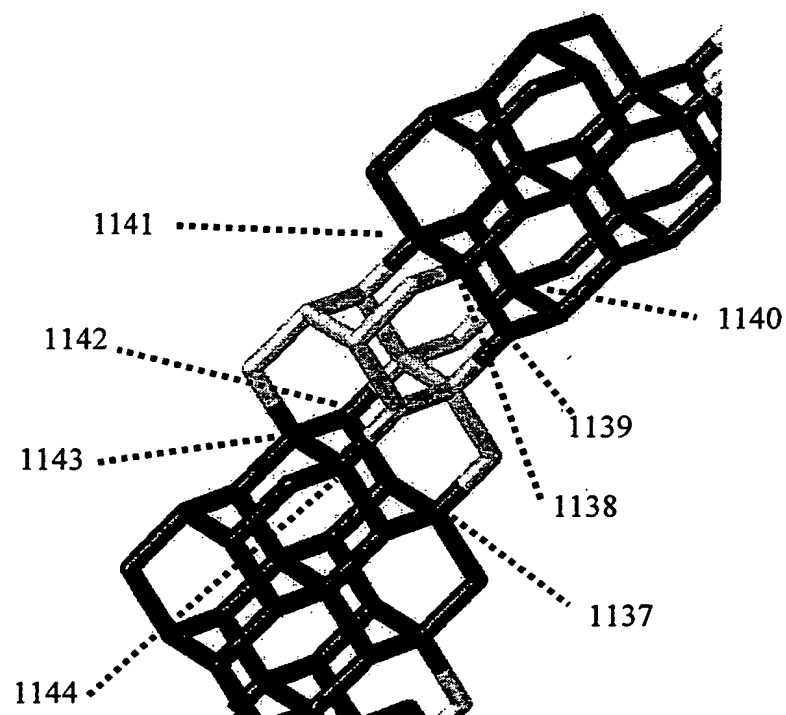


Fig. 11G

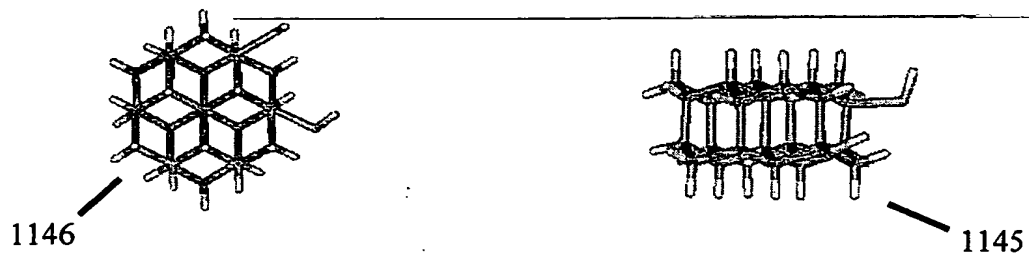


Fig. 11H

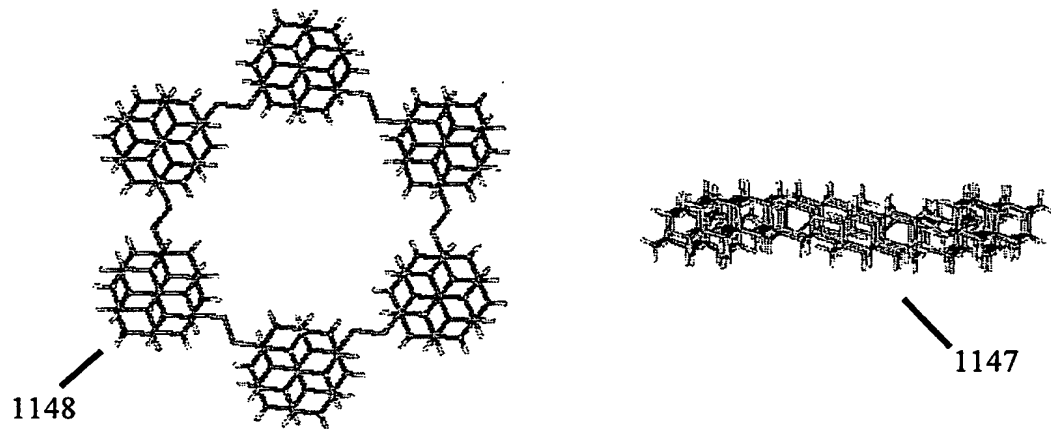


Fig. 11I

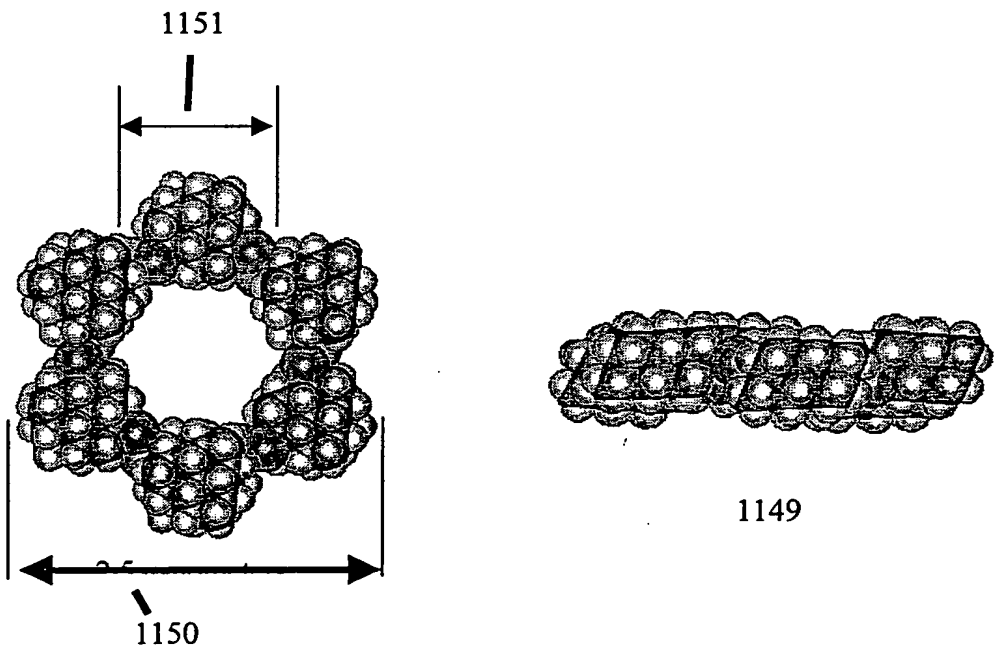


Fig. 11J

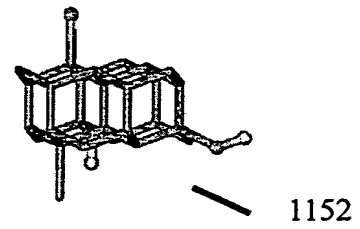
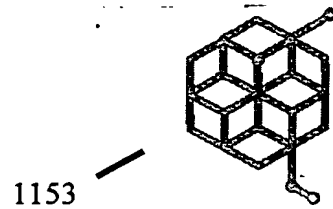


Fig. 11K

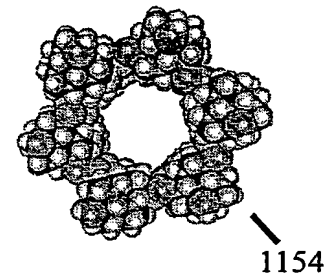
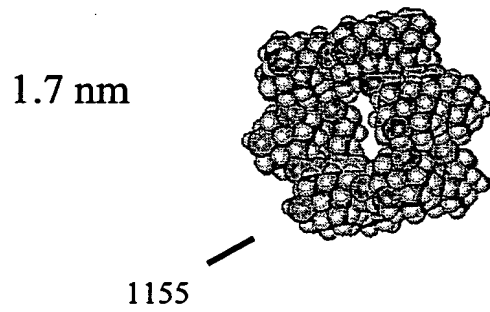


Fig. 11L

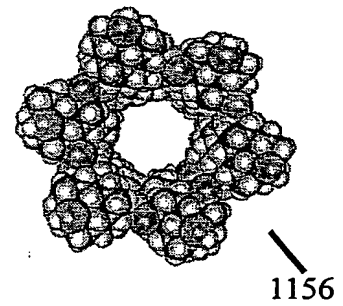
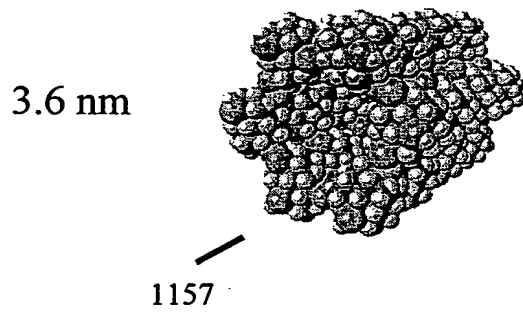


Fig. 11M

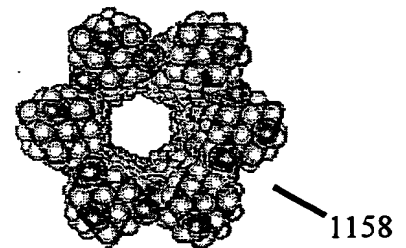
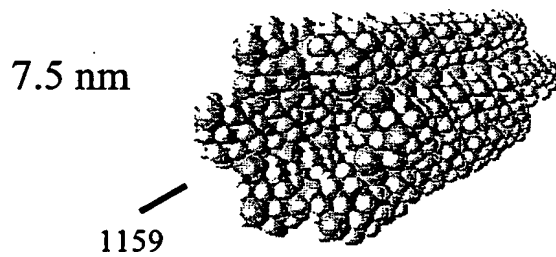


Fig. 11N

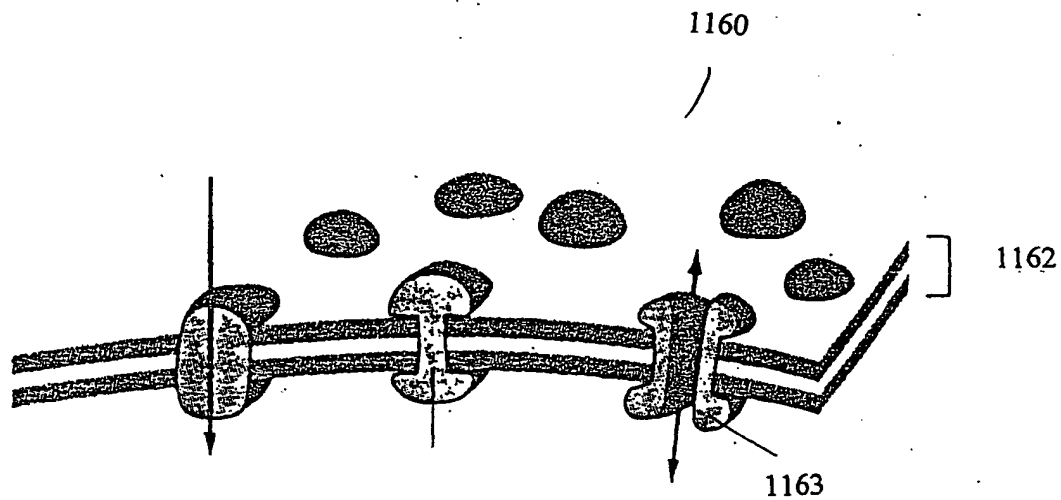


Fig. 11O